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- Automobile driving**  
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## B

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Bacterial O-antigen promotes early bacteremia during gram-negative pneumonia in mice (Younger et al). 2003;42:S16-S17 (Research Forum abst.)

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### Bacterial infections, diagnosis

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The utility of blood cultures in the emergency department (Shenbagamurthi et al). 2003;42:S12 (Research Forum abst.)

### Bacterial infections, drug therapy. See Antibiotics

### Bayes theorem

First step in the Erlanger artificial intelligence initiative: development of a Bayesian network utilizing initial triage history to risk stratify chest pain patients for 30-day adverse outcome (Fesmire and Novobilski). 2003;42:S9-S10 (Research Forum abst.)

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### Benzodiazepines. See also Midazolam

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### Bicarbonates, blood

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### Bilirubin, cerebrospinal fluid

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### Biological markers See also Troponin I; Creatine kinase

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### Blacks. See also Ethnic groups

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The effect of race on initial ECG time for patients who presented to an academic emergency department with chest pain (Takakuwa et al). 2003;42:S10 (Research Forum abst.)

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### Blood coagulation disorders

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**Bronchodilator agents**

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## C

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Current susceptibilities of bacteria isolated from lower respiratory tract and central nervous system infections (Vulturo et al). 2003;42:S99 (Research Forum abst.)

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**Cerebrovascular accident, drug therapy**

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#### **Continuity of patient care**

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#### **Coronary arteriosclerosis**

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#### **Coronary care units**

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No coronary patients attending chest pain units: should we do other than just discharge them? (Sanchez et al). 2003;42:S39 (Research Forum abst.)

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#### **Coronary circulation, drug effects**

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#### **Equipment contamination**

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#### **Ethics, professional**

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#### **Ethics, research**

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#### **Ethyl chloride, therapeutic use**

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#### **Etomidate**

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- Emergency physician and nurse attitudes toward family presence during resuscitation (Veser et al). 2003;42:S34 (Research Forum abst.)
- Family presence during resuscitation of adults: a United Kingdom perspective (Eager). 2003;42:S54 (Research Forum abst.)

### Fasciitis, necrotizing

- Necrotizing fasciitis in a large urban hospital (Stone et al). 2003;42:S31 (Research Forum abst.)

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- Fasting is a consideration—not a necessity—for emergency department procedural sedation and analgesia (Green). 2003;42:647-50 (Editorial)
- Preprocedural fasting state and adverse events in children undergoing procedural sedation and analgesia in a pediatric emergency department (Agrawal et al). 2003;42:636-46

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- Emergency ultrasonography fellowships: a review of format, fellowship requirements, and goals (Sierzinski et al). 2003;42:S47 (Research Forum abst.)

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- Femoral blockade for fractured neck of femur in the emergency department (Tan and Coleman); Reply (Fletcher and Hayes). 2003;42:S96-7 (Correspondence)

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### Fever

- Clinical policy for children younger than three years presenting to the emergency department with fever (American College of Emergency Physicians). 2003;42:530-45 (Clinical policy)
- Does the WBC count predict which febrile children from 90 days to 36 months of age will have a positive urine culture? (Ryan et al). 2003;42:S53 (Research Forum abst.)
- Editorial: clinical policy for children younger than three years presenting to the emergency department with fever (Baraff). 2003;42:546-9 (Editorial)
- Effect of acetaminophen and ibuprofen on stool volume in febrile diarrhea (Nihhanipudi and Kohli). 2003;42:S52-S53 (Research Forum abst.)
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- and clinical risk stratification as screening tools for deep venous thrombosis in the emergency department (DeFlieth et al). 2003;42:S31-S32 (Research Forum abst.)

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- Sedation for cardioversion in the emergency department: analysis of effectiveness in four protocols (Coll-Vinent et al). 2003;42:767-72 (Brief research report)

### Fluoroquinolones

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- Foodborne botulism in a six-month-old infant caused by home-canned baby food (Armada et al). 2003;42:226-9 (Case report)

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- Does the use of bedside ultrasonography decrease the time needed to emergency medicine residents to remove soft tissue foreign bodies? (Raio et al). 2003;42:S89 (Research Forum abst.)

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- Effect of ethnicity and race on the use of pain medications in children with long bone fractures in the emergency department (Yen et al). 2003;42:41-7

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### Frostbite, therapy

- Optimal method to achieve a warm water bath for a frostbitten extremity (Sherman et al). 2003;42:S79 (Research Forum abst.)

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### Gastroenteritis

- Norovirus activity—United States, 2002 (Centers for Disease Control and Prevention); commentary (Brown). 2003;42:417-22 (CDC update)

### Gastrointestinal hemorrhage

- Incidence of non-ST elevation myocardial infarction during acute gastrointestinal bleed in the emergency department (Lee et al). 2003;42:S38-S39 (Research Forum abst.)

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### Genitalia, female, injuries

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- Sexual assault in postmenopausal women: epidemiology and severity of anogenital injury (Rossman et al). 2003;42:S90 (Research Forum abst.)

### Glasgow Coma Scale

- Comparison of the Glasgow Coma Scale to its motor component for the prediction of trauma outcomes (Windemuth). 2003;42:S20 (Research Forum abst.)
- Effect of ethanol and Glasgow Coma Scale score on the sensitivity of the history and physical examination in detecting acute pelvic trauma (Williams et al). 2003;42:S98 (Research Forum abst.)
- Initial vital signs in trauma patients can serve as a guide for ordering a blood bank type and screen (Aswagan et al). 2003;42:S19 (Research Forum abst.)

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### Government regulation

- Research without consent: current status, 2003 (Biros). 2003;42:550-64
- State requirements for physicians functioning as field emergency medical services providers (Fullagar et al). 2003;42:S49 (Research Forum abst.)

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Emergency physician compliance with annual purified protein derivative testing (Morris and Jerrard). 2003;42:S61 (Research Forum abst.)

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Lack of emergency physician adherence to published American College of Cardiology/American Heart Association guidelines for medical treatment of acute coronary syndromes (Schrock et al). 2003;42:S39 (Research Forum abst.)

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# **H**

# **Hazardous substances**

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Protective equipment for health care facility decontamination personnel: regulations, risks, and recommendations (Hick et al). 2003;42:370-80 (Concepts)

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# **Health facility closure**

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# **Health personnel. See also Attitude of health personnel; Personnel selection; specific positions, Eg Physicians**

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HIV postexposure prophylaxis in the emergency department: the morning after is today (Bamberger). 2003;42:657-9 (Editorial)

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# **Heart arrest**

Does the presence or absence of sonographically identified cardiac activity predict resuscitation outcomes of pulseless patients? (Salem et al). 2003;42:S13 (Research Forum abst.)

The utility of cerebral oximetry as a predictor of neurologic outcome in out-of-hospital cardiac arrest (Bastani et al). 2003;42:S72 (Research Forum abst.)

# **Heart arrest, epidemiology**

Cardiac arrest and resuscitation epidemiology in Singapore (CARE I Study) (Ong et al). 2003;42:S54 (Research Forum abst.)

Characteristics of out-of-hospital cardiac arrest victims in a large urban emergency medical services system: preliminary analysis of the Detroit Cardiac Arrest Registry (Compton et al). 2003;42:S73 (Research Forum abst.)

# **Heart arrest, mortality**

Need for advanced directives in long-term care facilities: no survivors from four years of cardiac arrest (Milzman et al). 2003;42:S72-S73 (Research Forum abst.)

Pre-911 delay affects survival after out-of-hospital cardiac arrest (Harmon et al). 2003;42:S93-S94 (Research Forum abst.)

Public education regarding resuscitation: effects of a multimedia intervention (Marco and Larkin). 2003;42:256-60 (Brief Research report)

# **Heart arrest, therapy. See also Cardiopulmonary resuscitation; Electric countershock**

Brain hypothermic therapy after cardiopulmonary bypass for cardiac arrest patients who did not respond to advanced cardiac life support (Takeyama et al). 2003;42:S54-S55 (Research Forum abst.)

Code blue: emergency medicine residents effectively

direct in-hospital cardiopulmonary resuscitation code teams (Adams). 2003;42:S78 (Research Forum abst.)

Indications for brain hypothermic therapy in cardiac arrest patients (Mori et al). 2003;42:S55 (Research Forum abst.)

Intravenous amiodarone for the treatment of in-hospital cardiac arrest caused by pulseless ventricular tachycardia/ventricular fibrillation (AMVENT Trial) (Kane et al). 2003;42:S3-S4 (Research Forum abst.)

Optimal experience level for paramedics to maintain proficiency in performing endotracheal intubation in patients with perfusing rhythms and those in cardiac arrest (Megargel et al). 2003;42:S92 (Research Forum abst.)

Physicians' conformity with the advanced cardiac life support protocols (Rehmani). 2003;42:S61 (Research Forum abst.)

# **Heart diseases**

Are syncope guidelines useful to determine the need for admission in geriatric patients presenting to the emergency department with syncope? (Grossman et al). 2003;42:S28 (Research Forum abst.)

Does the accuracy of potential cardiac histories depend on question type? (Salo et al). 2003;42:S38 (Research Forum abst.)

A significant proportion of patients admitted from a chest pain observation unit have cardiac pathology (Trappe et al). 2003;42:S8-S9 (Research Forum abst.)

# **Heart failure, congestive**

Circadian pattern of intubation rates in emergency department congestive heart failure patients (Kleinberg et al). 2003;42:S10-S11 (Research Forum abst.)

Impact on health care resources of congestive heart failure patients who run out of their medications (Jimenez et al). 2003;42:S69 (Research Forum abst.)

Impact on hospital resources of patients with severe congestive heart failure who use the emergency department for primary care (Jimenez et al). 2003;42:S64 (Research Forum abst.)

# **Heart failure, congestive, diagnosis**

Impact of B-type natriuretic peptide testing on medical decisionmaking for older patients with dyspnea (Kosowsky et al). 2003;42:S11 (Research Forum abst.)

Out-of-hospital prediction of congestive heart failure in patients with shortness of breath (Beauboeuf et al). 2003;42:S49-S50 (Research Forum abst.)

Troponin I as diagnostic and prognostic marker of severe heart failure in heart failure care unit (Parenti et al). 2003;42:S63-S64 (Research Forum abst.)

# **Heart failure, congestive, therapy**

Characteristics of chronic dialysis patients treated with nesiritide (B-type natriuretic peptide): data from the Acute Decompensated Heart Failure National Registry (Peacock et al). 2003;42:S100 (Research Forum abst.)

Early initiation of intravenous vasoactive therapy improves heart failure outcomes: an analysis from the ADHERE registry database (Peacock et al). 2003;42:S26 (Research Forum abst.)

Implementation of a rapid diuresis treatment protocol using a furosemide infusion for congestive heart failure in the emergency department (Aazami et al). 2003;42:S61 (Research Forum abst.)

# **Heat. See also Weather**

Incidence of asthma in emergency departments: impact of a heat wave (Silva et al). 2003;42:S108 (Research Forum abst.)

Using heat index as a predictor of the number of patients

that will require care at a mass gathering event (Perron et al). 2003;42:S72 (Research Forum abst.)

**Heat, therapeutic use**

Delivery temperature of warmed saline or blood at variable flow rates (Seo et al). 2003;42:S23 (Research Forum abst.)

Does using heat with eutectic mixture of local anesthetic cream shorten analgesic onset time?: a randomized, placebo-controlled trial (Liu et al). 2003;42:27-33

Optimal method to achieve a warm water bath for a frostbitten extremity (Sherman et al). 2003;42:S79 (Research Forum abst.)

**Helmets. See Head protective devices**

**Hematologic tests**

Effect of a pneumatic tube delivery system on quality and timeliness of laboratory test results for emergency department patients (Fernandes et al). 2003;42:S22 (Research Forum abst.)

Root cause analysis of delays for laboratory tests on emergency department patients (Fernandes et al). 2003;42:S22-S23 (Research Forum abst.)

**Hematuria**

Hematuria in renal colic (Osgood and Aubin). 2003;42:S12 (Research Forum abst.)

**Hemodynamics. See also Blood pressure; Pulse**

Bioimpedance monitoring changes therapy in dyspneic emergency department patients: the IMPACT trial (Peacock et al). 2003;42:S82 (Research Forum abst.)

Early hemodynamic measurement in severe trauma patients using transesophageal echo Doppler: a step forward (Pereira et al). 2003;42:S80-S81 (Research Forum abst.)

**Hemoglobinometry**

Root cause analysis of delays for laboratory tests on emergency department patients (Fernandes et al). 2003;42:S22-S23 (Research Forum abst.)

**Hemorrhage. See also Gastrointestinal hemorrhage;**

**Intracranial hemorrhage; Subarachnoid hemorrhage**  
Sonographic measurement of the inferior vena cava as a marker of blood loss (Lyon et al). 2003;42:S4-S5 (Research Forum abst.)

**Hemorrhoids, surgery**

External thrombosed hemorrhoids: surgical treatment by traction, excision, and suture in the emergency department (Shoukry and Bruno). 2003;42:S79 (Research Forum abst.)

**Heparin**

The lack of science behind the standard of care (Bastani and O'Neill; Reply (Pollack et al). 2003;42:847-849 (Correspondence)

**Herbal preparations. See Plant preparations**

**Heroin, poisoning. See Narcotics, poisoning**

**Heroin dependence**

Peer educator intervention at the medical visit achieves reduction in cocaine and heroin use (Bernstein et al). 2003;42:S45 (Research Forum abst.)

**Hispanic Americans. See also Ethnic groups**

Effect of ethnicity and race on the use of pain medications in children with long bone fractures in the emergency department (Yen et al). 2003;42:41-7

Sex differences in asthma precipitants in African Americans and Hispanic Americans in an urban emergency department (Singh et al). 2003;42:S108 (Research Forum abst.)

The validity and satisfaction of Spanish interpretation in the emergency department: a prospective observa-

tional study (Miller et al). 2003;42:S59 (Research Forum abst.)

**HIV infections, prevention & control**

HIV postexposure prophylaxis in the emergency department: the morning after is today (Bamberger). 2003;42:657-9 (Editorial)

Need and feasibility of offering nonoccupational HIV postexposure prevention in the emergency department for the city of New Haven (D'Onofrio et al). 2003;42:S85 (Research Forum abst.)

Needlestick injuries, management, and education: a role for emergency medicine? (Johnston et al). 2003;42:S85 (Research Forum abst.)

Nonoccupational postexposure HIV prevention: emergency physicians' current practices, attitudes, and beliefs (McCausland et al). 2003;42:651-6 (Brief research report)

**HMGB1 protein**

A negative acute phase protein, fetuin, counter-regulates the release of a late mediator of lethal systemic inflammation, HMGB1 (Chen et al). 2003;42:S16 (Research Forum abst.)

**Homocysteine, blood**

Awareness of coronary artery disease risk factors and homocysteine treatment in high-risk patients (Salo et al). 2003;42:S37-S38 (Research Forum abst.)

**Hospitalization**

Continuity of antibiotic therapy in patients admitted from the emergency department (Shah et al). 2003;42:117-23  
Factors associated with childhood asthma hospitalization: a prospective study (Kondamudi et al). 2003;42:S107 (Research Forum abst.)

**Hospital records**

Adverse outcomes in the emergency department: assessment using malpractice claim files (White et al). 2003;42:S59-S60 (Research Forum abst.)

**Hospitals**

Hospital disaster privileging (American College of Emergency Physicians). 2003;42:607-8 (Policy statement)  
Hospital emergency preparedness assessment using the Hospital Emergency Analysis Tool (Oster and Chaffee). 2003;42:S104 (Research Forum abst.)  
Impact of a state malpractice crisis on transfers to a university-based teaching hospital (Cox and Galli). 2003;42:S60 (Research Forum abst.)

**Hospitals, rural**

Emergency ultrasonography utility in a rural emergency department with limited radiology services (Blaivas et al). 2003;42:S88 (Research Forum abst.)

**Hospitals, special**

Data-driven total quality management in the emergency department at a level I trauma and tertiary care hospital (Welch and Allen). 2003;42:S58-S59 (Research Forum abst.)

**Hospitals, urban**

Patterns of emergency health care in an urban setting (Finnell et al). 2003;42:S60 (Research Forum abst.)

**Hospital units. See also Coronary care units**

Children with asthma admitted to an emergency department-managed pediatric observation unit (Miescier et al). 2003;42:S107 (Research Forum abst.)

Management of neonatal hyperbilirubinemia in a pediatric emergency department observation unit: a novel alternative to inpatient admission (Zebrack et al). 2003;42:S87 (Research Forum abst.)

Pediatric closed head injuries in an emergency department-controlled observation unit (Holsti et al). 2003;42:S85-S86 (Research Forum abst.)

Recidivism in an emergency department observation unit population (Ross et al). 2003;42:S34 (Research Forum abst.)

**Hungary**

Organophosphate poisonings in Hungary (Piko and Gaspari). 2003;42:S20-S21 (Research Forum abst.)

**Hydantoins**

The treatment of adult emergency department seizure patients (Edwards and Sloan). 2003;42:S74 (Research Forum abst.)

**Hydrocortisone**

Serum cortisol but not macrophage migration inhibitory factor levels increase at altitude in response to acute mountain sickness (Sheets et al). 2003;42:S5 (Research Forum abst.)

**Hydrotherapy**

Optimal method to achieve a warm water bath for a frostbitten extremity (Sherman et al). 2003;42:S79 (Research Forum abst.)

**Hyperbaric oxygenation**

Mobile hyperbaric chamber: an essential need in emergency medicine? (Rogatsky and Mayevsky). 2003;42:849-50 (Correspondence)

**Hyperbilirubinemia**

Management of neonatal hyperbilirubinemia in a pediatric emergency department observation unit: a novel alternative to inpatient admission (Zebrack et al). 2003;42:S87 (Research Forum abst.)

**Hypercapnia**

Mathematical model of the hypoventilating patient: implications for the emergency department (Richards et al). 2003;42:S80 (Research Forum abst.)

**Hyperglycemia**

The interest of finger-prick ketone tests in hyperglycemic patients in the emergency department setting (Taboulet et al). 2003;42:S81 (Research Forum abst.)

**Hypertension**

Hypertension in intracranial hemorrhage: is there any benefit to treatment of moderate blood pressure elevations? (Dorfman et al). 2003;42:S51 (Research Forum abst.)

**Hypertension, renovascular**

Scleroderma renal crisis (Adams). 2003;42:713-14 (Correspondence)

**Hypocapnia**

Noninvasive ventilation as a first-line treatment for hypercapnic acute respiratory failure: experience in an emergency department (Antro et al). 2003;42:S65 (Research Forum abst.)

**Hypothermia, induced**

Brain hypothermic therapy after cardiopulmonary bypass for cardiac arrest patients who did not respond to advanced cardiac life support (Takeyama et al). 2003;42:S54-S55 (Research Forum abst.)

Delayed hypothermia is neuroprotective after simulated global brain ischemia (Lawrence et al). 2003;42:S17 (Research Forum abst.)

Indications for brain hypothermic therapy in cardiac arrest patients (Mori et al). 2003;42:S55 (Research Forum abst.)

**Hypoventilation**

Mathematical model of the hypoventilating patient: implications for the emergency department (Richards et al). 2003;42:S80 (Research Forum abst.)

**Hypoxia, brain**

Cerebral oximetry: efficacy in predicting adequacy of resuscitation and neurologic outcome in the critically



ill (Khan et al). 2003;42:S55-S56 (Research Forum abst.)  
Incidence of transient hypoxia and pulse rate reactivity during paramedic rapid sequence intubation (Dunford et al). 2003;42:721-8  
Out-of-hospital rapid sequence intubation: are we helping or hurting our patients? (Spaite and Criss). 2003;42:729-30 (Editorial)  
The utility of cerebral oximetry as a predictor of neurologic outcome in out-of-hospital cardiac arrest (Bastani et al). 2003;42:S72 (Research Forum abst.)

## Ibuprofen

Effect of acetaminophen and ibuprofen on stool volume in febrile diarrhea (Nihhanipudi and Kohli). 2003;42:S52-S53 (Research Forum abst.)

## Immobilization. See also Restraint, physical

Comparison of the Ferno Scoop stretcher to the long backboard for spinal immobilization (Krell et al). 2003;42:S49 (Research Forum abst.)  
Effect of cervical spine immobilization in preventing adverse neurologic outcome in blunt spinal trauma (Leung et al). 2003;42:S20 (Research Forum abst.)  
Influence of patient characteristics on duration of spinal immobilization (Hoerneman et al). 2003;42:S74 (Research Forum abst.)

## Immunization programs

Cost-effectiveness of an emergency department-based vaccine program (Cutro et al). 2003;42:S36 (Research Forum abst.)  
Emergency medicine tools to manage smallpox (vaccinia) vaccination complications: clinical practice guidelines and policies and procedures (Thorne et al). 2003;42:665-80 (Concepts)  
Immunization against *Streptococcus pneumoniae* in the emergency department: is there a need? (Stone et al). 2003;42:S43-S44 (Research Forum abst.)  
National study of pneumococcal and influenza vaccinations among adult emergency department patients, 1992 to 2000 (Pallin et al). 2003;42:S70 (Research Forum abst.)  
Removing health care workers from clinical duties after smallpox vaccination: is it really necessary? (Darling et al). 2003;42:685-8 (Editorial)  
The risks and benefits of pre-event smallpox vaccination: where you stand depends on where you sit (Aragón and Fernyak). 2003;42:681-4 (Editorial)

## Incidental findings

Incidental findings in a level I trauma population (Paluska et al). 2003;42:S57-S58 (Research Forum abst.)

## Indians, North American

Physician perception of drug-seeking behavior and ethnicity (Miner et al). 2003;42:S67 (Research Forum abst.)

## Infant

Clinical policy for children younger than three years presenting to the emergency department with fever (American College of Emergency Physicians). 2003;42:530-45 (Clinical policy)  
Editorial: clinical policy for children younger than three years presenting to the emergency department with fever (Baraff). 2003;42:546-9 (Editorial)  
Foodborne botulism in a six-month-old infant caused by home-canned baby food (Armada et al). 2003;42:226-9 (Case report)  
Identifying febrile young infants with bacteremia: is the peripheral white blood cell count an accurate screen? (Bonsu and Harper). 2003;42:216-25

Management of neonatal hyperbilirubinemia in a pediatric emergency department observation unit: a novel alternative to inpatient admission (Zebrack et al). 2003;42:S87 (Research Forum abst.)

Specificity and sensitivity of automated external defibrillator rhythm analysis in infants and children (Atkinson et al). 2003;42:185-96

## Infant equipment

Pediatric passenger restraints: what do parents say? (Arpilleda et al). 2003;42:S94-S95 (Research Forum abst.)  
What is the impact of child-specific motor vehicle restraints on pediatric morbidity and mortality from motor vehicle crashes in Pennsylvania from 1992 to 2001? (Salen et al). 2003;42:S94 (Research Forum abst.)

## Infection

Infections and severe sepsis in organ transplant patients admitted from a university-based emergency department (Trzeciak et al). 2003;42:S31 (Research Forum abst.)

## Inferior vena cava filters. See Vena cava filters

## Influenza

National study of pneumococcal and influenza vaccinations among adult emergency department patients, 1992 to 2000 (Pallin et al). 2003;42:S70 (Research Forum abst.)

## Information systems

Creation of an online collection of emergency medicine literature for resident and medical student education (Kabrhel et al). 2003;42:S102 (Research Forum abst.)  
The effect of an enhanced emergency department information system on length of stay (Hunter et al). 2003;42:S6 (Research Forum abst.)  
Identifying patients at risk for deep venous thrombosis in the emergency department: data from the deep venous thrombosis free registry (Pollack et al). 2003;42:S57 (Research Forum abst.)  
A practical model for setup of computer-based syndromic surveillance (Flaherty et al). 2003;42:S44 (Research Forum abst.)

## Informed consent

Informed consent process in an inner-city community hospital (Usen et al). 2003;42:S54 (Research Forum abst.)  
Research without consent: current status, 2003 (Biros). 2003;42:550-564  
The Tuskegee syphilis study and informed consent (White); Reply (Schmidt). 2003;42:430-1 (Correspondence)

## Insecticides, poisoning

Organophosphate poisonings in Hungary (Piko and Gaspari). 2003;42:S20-S21 (Research Forum abst.)  
Pyrimidifen intoxication (Eisinger and Almog). 2003;42:289-91 (Case report)

## Insulin

High-dose insulin induces wortmannin-sensitive phosphorylation of Akt in vulnerable neurons after transient global brain ischemia (Sullivan et al). 2003;42:S16 (Research Forum abst.)

## Insurance, health

Prior authorization (American College of Emergency Physicians). 2003;42:606 (Policy statement)

## Insurance coverage

Influence of patient characteristics on duration of spinal immobilization (Hoerneman et al). 2003;42:S74 (Research Forum abst.)  
The relation of patient transfers to insurance status (Niegelberg et al). 2003;42:S33 (Research Forum abst.)

Who leaves emergency departments before physician evaluation: uninsured or insured? (Irvin et al). 2003;42:S84 (Research Forum abst.)

## Interleukins, diagnostic use

Inflammatory cytokines provide limited early prognostic information in emergency department patients with suspected myocardial ischemia (Hillis et al). 2003;42:337-42 (Brief research report)

## International Classification of Diseases

Improving agreement between two methods for bio-surveillance of respiratory disease in the emergency department: chief complaint and *International Classification of Diseases, Ninth Revision* diagnosis code (Mocny et al). 2003;42:S71 (Research Forum abst.)

## Internet

Finding quality medical images on the Web: a comparative analysis of popular search engines (McNinch et al). 2003;42:S102 (Research Forum abst.)  
Internet access (American College of Emergency Physicians). 2003;42:606-7 (Policy statement)  
Residency program Web sites are very important to emergency medicine applicants (Mahler et al). 2003;42:S75 (Research Forum abst.)

## Internship and residency

Appropriation of simple radiography interpretation by an emergency medicine resident (Sim et al). 2003;42:S76 (Research Forum abst.)

Are emergency medicine residency programs using a valuable resource to educate the residents in caring for sexual assault victims? (Williams et al). 2003;42:S77 (Research Forum abst.)

Code blue: emergency medicine residents effectively direct in-hospital cardiopulmonary resuscitation code teams (Adams). 2003;42:S78 (Research Forum abst.)  
Complications of tube thoracostomy placement by emergency medicine residents in patients aged 15 years and older (Bittner et al). 2003;42:S56 (Research Forum abst.)

Creation of an online collection of emergency medicine literature for resident and medical student education (Kabrhel et al). 2003;42:S102 (Research Forum abst.)  
Dissemination of unfavorable information about other emergency medicine residencies and asking discriminatory questions during the emergency medicine interview (Weinstein et al). 2003;42:S77 (Research Forum abst.)

Does resident-selected patient follow-up lead to improvements in patient care? (Sadosty et al). 2003;42:S5-S6 (Research Forum abst.)

Does resident training level correlate with proficiency in emergency ultrasonography? (Ko et al). 2003;42:S46-S47 (Research Forum abst.)

Does structured educational intervention increase emergency medicine residents' ability to care for sexual assault victims? (Faber et al). 2003;42:S102-S103 (Research Forum abst.)

Does the use of bedside ultrasonography decrease the time needed to emergency medicine residents to remove soft tissue foreign bodies? (Raio et al). 2003;42:S89 (Research Forum abst.)

The effect of perceived malpractice risk on diagnostic test ordering in academic emergency medicine practice (Plautz et al). 2003;42:S103 (Research Forum abst.)  
Emergency physicians in the United States military: a primer (Lai and Lewin). 2003;42:100-9 (Residents' perspective)

Evaluation of the educational utility of patient follow-up (Sadosty et al). 2003;42:S78-S79 (Research Forum abst.)

Medical error during residency: to tell or not to tell (Hevia and Hobgood). 2003;42:565-70 (Residents' perspective)

National survey of emergency medicine chief residents and program directors (Boston et al). 2003;42:S78 (Research Forum abst.)

Needs assessment of the academic emergency medicine community (Stead et al). 2003;42:S77-S78 (Research Forum abst.)

A novel approach to morbidity and mortality review: high fidelity simulation reenactment of life-threatening emergencies (Vozenilek et al). 2003;42:S55 (Research Forum abst.)

Osteopathic physicians in emergency medicine (Pollack et al). 2003;42:261-5 (Residents' perspective)

Prevalence of pathologic emergency ultrasonographic scans over three years at an emergency medicine residency program (Patterson and Costantino). 2003;42:S45-S46 (Research Forum abst.)

Procedural proficiency after participation in invasive procedure laboratories (Hsu et al). 2003;42:S103-S104 (Research Forum abst.)

A prospective analysis of airway management by emergency medicine residents in the aeromedical setting (Panagos et al). 2003;42:S65 (Research Forum abst.)

Residency program Web sites are very important to emergency medicine applicants (Mahler et al). 2003;42:S75 (Research Forum abst.)

Resident confidence and accuracy of abdominal ultrasonography (Jang et al). 2003;42:S88 (Research Forum abst.)

Resident training in rapid bedside ultrasonographic evaluation of depressed skull fractures (Chang et al). 2003;42:S47 (Research Forum abst.)

Resident ultrasonography in symptomatic first-trimester pregnancy and department length of stay (Jang and Aubin). 2003;42:S88-S89 (Research Forum abst.)

A survey of applicants to an emergency medicine residency (Thomas et al). 2003;42:S101-S102 (Research Forum abst.)

Who is the emergency medicine medical student rotation director? (Leisey et al). 2003;42:S75-S76 (Research Forum abst.)

"You are commanded to appear": the subpoena and the emergency medicine resident (Reiley et al). 2003;42:843-6 (Residents' perspective)

#### **Interviews**

Dissemination of unfavorable information about other emergency medicine residencies and asking discriminatory questions during the emergency medicine interview (Weinstein et al). 2003;42:S77 (Research Forum abst.)

#### **Intestine**

Does gastric lavage really push poisons beyond the pylorus? A systematic review of the evidence (Eddleston et al). 2003;42:359-64 (Review article)

Effect of melatonin and relation with apoptosis during recovery of remote organ injury after intestine ischemia-reperfusion in rats (Chen et al). 2003;42:S14 (Research Forum abst.)

#### **Intracranial hemorrhage**

Acute plasma protein expression patterns after ischemic stroke (Jauch et al). 2003;42:S23 (Research Forum abst.)

Does anticoagulation increase risk of intracranial hemorrhage from blunt trauma? (Jackson et al). 2003;42:S97 (Research Forum abst.)

Hypertension in intracranial hemorrhage: is there any

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#### **Intracranial pressure**

Mannitol for acute traumatic brain injury (Cochrane Review) (Roberts et al). 2003;42:S74 (Research Forum abst.)

Optic sheath nerve diameter in normal human patients in the supine, Trendelenburg, and reverse Trendelenburg positions (Romagnuolo et al). 2003;42:S89 (Research Forum abst.)

#### **Intubation, gastrointestinal**

Emergency department staff attitudes regarding discomfort-reducing measures for nasogastric tube insertion (Juhl and Connors). 2003;42:S67 (Research Forum abst.)

#### **Intubation, intratracheal**

Availability of portable sonography in secondary confirmation of endotracheal intubation (Han et al). 2003;42:S13 (Research Forum abst.)

Bispectral index monitoring in out-of-hospital analgesia and anesthesia for critically ill patients (Cléro et al). 2003;42:S47-S48 (Research Forum abst.)

Circadian pattern of intubation rates in emergency department congestive heart failure patients (Kleinberg et al). 2003;42:S10-S11 (Research Forum abst.)

Code blue: emergency medicine residents effectively direct in-hospital cardiopulmonary resuscitation code teams (Adams). 2003;42:S78 (Research Forum abst.)

Comparison of etomidate and midazolam for rapid-sequence intubation in the air medical setting (Swanson et al). 2003;42:S66 (Research Forum abst.)

A comparison of traditional cricothyrotomy and a single incision cricothyrotomy method using a deer neck model (Schwaner et al). 2003;42:S66 (Research Forum abst.)

Does video-assisted instruction help the novice intubator? (Pines et al). 2003;42:S104 (Research Forum abst.)

Etomidate versus midazolam for out-of-hospital intubation: a prospective randomized trial (Jacoby et al). 2003;42:S48 (Research Forum abst.)

An evaluation of the syringe aspiration technique to verify endotracheal tube position (Kwon and Kim). 2003;42:S66 (Research Forum abst.)

Intubation confirmation techniques associated with unrecognized nontracheal intubations by out-of-hospital providers (Smith et al). 2003;42:S65 (Research Forum abst.)

Optimal experience level for paramedics to maintain proficiency in performing endotracheal intubation in patients with perfusing rhythms and those in cardiac arrest (Megargel et al). 2003;42:S92 (Research Forum abst.)

Patient safety in emergency airway management and rapid sequence intubation: metaphorical lessons from skydiving (Leviton). 2003;42:81-7 (Concepts)

A prospective analysis of airway management by emergency medicine residents in the aeromedical setting (Panagos et al). 2003;42:S65 (Research Forum abst.)

Tracheal intubation through the laryngeal mask airway: a comparison of three insertion techniques (Jones et al). 2003;42:S66 (Research Forum abst.)

Tracheal rupture and the creation of a false passage after emergency intubation (Sternfeld and Wright). 2003;42:88-92 (Case report)

Ultrasonographic confirmation of endotracheal tube placement in a porcine model (Broderick et al). 2003;42:S14 (Research Forum abst.)

Unrecognized improperly located endotracheal tubes in

the out-of-hospital setting (Goyal et al). 2003;42:S73 (Research Forum abst.)

#### **Intubation, intratracheal, adverse effects**

Incidence of transient hypoxia and pulse rate reactivity during paramedic rapid sequence intubation (Dunford et al). 2003;42: 721-8

Out-of-hospital rapid sequence intubation: are we helping or hurting our patients? (Spaite and Criss). 2003;42:729-30 (Editorial)

#### **Intubation, intratracheal, instrumentation**

The Combitube as a salvage airway device for paramedic rapid sequence intubation (Davis et al). 2003;42:697-704

A novel oral intubation technique with a short rhinolaryngoscope (Levin and Levitan). 2003;42:S64 (Research Forum abst.)

The Shikani Optical Stylet as an adjunct for intubation: a potential rescue technique for the difficult airway (Levin and Levitan). 2003;42:S64-S65 (Research Forum abst.)

Training of medical students in airway management: a comparison of the standard laryngeal mask airway, the combitube, and the endotracheal tube (Tiah et al). 2003;42:S65-S66 (Research Forum abst.)

#### **Ischemic attack, transient**

High-dose insulin induces wortmannin-sensitive phosphorylation of Akt in vulnerable neurons after transient global brain ischemia (Sullivan et al). 2003;42:S16 (Research Forum abst.)

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#### **Jellyfish, box. See Cubozoa**

#### **Jews**

High risk of paraffin lamp oil exposure in Orthodox Jewish children (Hoffman et al). 2003;42:S45 (Research Forum abst.)

#### **Job satisfaction**

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#### **Judgment**

The Canadian C-Spine Rule performs better than unstructured physician judgment (Bandiera et al). 2003;42:395-402

The intrinsic fallibility of clinical judgment (Gallagher). 2003;42:403-4 (Brief commentary)

Resident confidence and accuracy of abdominal ultrasonography (Jang et al). 2003;42:S88 (Research Forum abst.)

#### **Jurisprudence. See also Informed consent**

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EMTALA gone haywire (Franklin); Reply (Bitterman). 2003;42:162-3 (Correspondence)

Legal sanctions for drunk driving (American College of Emergency Physicians). 2003;42:719 (Policy statement)

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The state of our state: New York managed care organization compliance with prudent layperson statutes (Maddow et al). 2003;42:S58 (Research Forum abst.)

"You are commanded to appear": the subpoena and the emergency medicine resident (Reiley et al). 2003;42:843-6 (Residents' perspective)

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- Kidney failure, diagnosis**  
The urine dipstick cannot reliably exclude renal insufficiency in unselected emergency department patients (Stromski et al). 2003;42:S81 (Research Forum abst.)
- Knee injuries, diagnosis**  
Validation of the Ottawa Knee Rule in children: a multicenter study (Bullock et al). 2003;42:48-55
- Knowledge, attitudes, practice.** See also **Attitude of health personnel**  
Awareness of coronary artery disease risk factors and homocysteine treatment in high-risk patients (Salo et al). 2003;42:S37-S38 (Research Forum abst.)  
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- Laboratory techniques and procedures**  
Effect of a pneumatic tube delivery system on quality and timeliness of laboratory test results for emergency department patients (Fernandes et al). 2003;42:S22 (Research Forum abst.)
- Lacerations**  
Application of topical local anesthetic at triage reduced treatment time for children with lacerations: a randomized controlled trial (Priestley et al). 2003;42:34-40  
Pediatric wound triage protocols (Green). 2003;42:25-6 (Brief commentary)  
Suturing versus an adjustable tissue closure device for extremity wound closures (Hopkins et al). 2003;42:S79-S80 (Research Forum abst.)
- Lactones**  
Comparison of rofecoxib with multidose oxycodone/acetaminophen in patients with acute pain (Chang et al). 2003;42:S68 (Research Forum abst.)
- Laryngeal masks**  
Tracheal intubation through the laryngeal mask airway: a comparison of three insertion techniques (Jones et al). 2003;42:S66 (Research Forum abst.)  
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- Laryngoscopes**  
A novel oral intubation technique with a short rhinolaryngoscope (Levin and Levitan). 2003;42:S64 (Research Forum abst.)
- Law.** See **Jurisprudence**
- Lead poisoning**  
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- Length of stay**  
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- Leukocyte count**  
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## Levonorgestrel

- Emergency contraception and risk of ectopic pregnancy: is there need for extra vigilance? (Vinson). 2003;42:306-7 (Correspondence)

## Lidocaine

- Buffering lidocaine increases the duration of absolute anesthesia (Newton et al). 2003;42:S67-S68 (Research Forum abst.)  
Intravenous amiodarone for the treatment of in-hospital cardiac arrest caused by pulseless ventricular tachycardia/ventricular fibrillation (AMVENT Trial) (Kane et al). 2003;42:S3-S4 (Research Forum abst.)

## Ligaments, injuries

- Utility of emergency department cervical magnetic resonance imaging in evaluation of cervical spine injury (Sattari and Nufer). 2003;42:S56 (Research Forum abst.)

## Likelihood functions

- Analysis of an analysis: how well does the likelihood ratio medical decisionmaking approach work? (Levitt and Phelps). 2003;42:S33 (Research Forum abst.)  
Interval likelihood ratios: another advantage for the evidence-based diagnostician (Brown and Reeves). 2003;42:292-7 (Skills for evidence-based emergency care)  
The problem with sensitivity and specificity (Gallagher). 2003;42:298-303 (Editorial)

## Lithuania

- Analysis of child traffic injuries and means for prevention and safety within a safe community program (Strukcinskiene et al). 2003;42:S94 (Research Forum abst.)

## Lower extremity. See also Extremities; Venous thrombosis

- Accuracy of emergency physician compression ultrasonography and D-dimer in the bedside diagnosis of deep venous thrombosis (Wong et al). 2003;42:S89-S90 (Research Forum abst.)  
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## Lung diseases, epidemiology

- Analysis of influence of regional levels of ozone and atmospheric particulate matter in emergency department visits (Leikin et al). 2003;42:S44 (Research Forum abst.)

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### Macrophage migration-inhibitory factors

- Serum cortisol but not macrophage migration inhibitory factor levels increase at altitude in response to acute mountain sickness (Sheets et al). 2003;42:S5 (Research Forum abst.)

### Magnetic resonance imaging

- Utility of emergency department cervical magnetic resonance imaging in evaluation of cervical spine injury (Sattari and Nufer). 2003;42:S56 (Research Forum abst.)  
The value of magnetic resonance imaging and electroencephalogram in evaluating children with the first afebrile seizures in the emergency department (Han et al). 2003;42:S87 (Research Forum abst.)

### Malpractice

- Adverse outcomes in the emergency department: assessment using malpractice claim files (White et al). 2003;42:S59-S60 (Research Forum abst.)

The effect of perceived malpractice risk on diagnostic test ordering in academic emergency medicine practice (Plautz et al). 2003;42:S103 (Research Forum abst.)  
Impact of a state malpractice crisis on transfers to a university-based teaching hospital (Cox and Galli). 2003;42:S60 (Research Forum abst.)

#### **Managed care programs**

The state of our state: New York managed care organization compliance with prudent layperson statutes (Maddow et al). 2003;42:S58 (Research Forum abst.)

#### **Manduca**

Larval *Manduca sexta* (aka, the tomato hornworm) as a new animal model to study fundamental mechanisms of pain (Lewin). 2003;42:S14-S15 (Research Forum abst.)

#### **Mammalian**

Hypertension in intracranial hemorrhage: is there any benefit to treatment of moderate blood pressure elevations? (Dorfman et al). 2003;42:S51 (Research Forum abst.)

Mannitol for acute traumatic brain injury (Cochrane Review) (Roberts et al). 2003;42:S74 (Research Forum abst.)

#### **Mathematical model. See Models, theoretical**

#### **Maxillary sinusitis**

Antibiotic treatment for acute maxillary sinusitis (Tang and Frazee). 2003;42:705-8 (Systematic review abstract)

#### **Medical errors. See also Diagnostic errors**

Adverse outcomes in the emergency department: assessment using malpractice claim files (White et al). 2003;42:S59-S60 (Research Forum abst.)

A different approach to safety in emergency medicine (Wears). 2003;42:334-6 (Editorial)

Errors in a busy emergency department (Fordyce et al). 2003;42:324-33

A framework for classifying factors that contribute to error in the emergency department (Cosby). 2003;42:815-23 (Concepts)

Intubation confirmation techniques associated with unrecognized nontracheal intubations by out-of-hospital providers (Smith et al). 2003;42:S65 (Research Forum abst.)

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Unrecognized improperly located endotracheal tubes in the out-of-hospital setting (Goyal et al). 2003;42:S73 (Research Forum abst.)

#### **Medical history taking**

Does the accuracy of potential cardiac histories depend on question type? (Salo et al). 2003;42:S38 (Research Forum abst.)

Effect of ethanol and Glasgow Coma Scale score on the sensitivity of the history and physical examination in detecting acute pelvic trauma (Williams et al). 2003;42:S98 (Research Forum abst.)

Short-term follow-up of adults presenting to the emergency department with undifferentiated abdominal pain: predictive value of history and physical examination (Radeos et al). 2003;42:S29 (Research Forum abst.)

The validity and satisfaction of Spanish interpretation in the emergency department: a prospective observational study (Miller et al). 2003;42:S59 (Research Forum abst.)

#### **Medical illustration**

Finding quality medical images on the Web: a comparative analysis of popular search engines (McNinch et al). 2003;42:S102 (Research Forum abst.)

#### **Medically uninsured**

The cost of unfunded end-stage renal disease patients who present to a busy emergency department in the hope of being dialyzed: a retrospective review from a public, urban hospital emergency department (Vohra and Miller). 2003;42:S71 (Research Forum abst.)

Dental complaints in emergency departments: a national perspective (Lewis et al). 2003;42:93-9

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The relation of patient transfers to insurance status (Niegelberg et al). 2003;42:S33 (Research Forum abst.)

Who leaves emergency departments before physician evaluation: uninsured or insured? (Irvin et al). 2003;42:S84 (Research Forum abst.)

#### **Medical records**

Medicolegal completeness of templated emergency department charts versus written charts for patients discharged from the emergency department with a presenting complaint of chest pain (Chathamally et al). 2003;42:S60 (Research Forum abst.)

#### **Melatonin**

Effect of melatonin and relation with apoptosis during recovery of remote organ injury after intestine ischemia-reperfusion in rats (Chen et al). 2003;42:S14 (Research Forum abst.)

#### **Men**

Contrast enhanced abdominal computed tomography scans in patients with suspected acute appendicitis significantly improve the negative operative rate in men but not women (Daniel et al). 2003;42:S57 (Research Forum abst.)

Screening for male victims of intimate partner violence: accuracy of two short questionnaires (Mills et al). 2003;42:S91 (Research Forum abst.)

#### **Meningitis**

Decisional variability in the initial treatment of patients with meningitis: are there accurate criteria for determining etiology and appropriate disposition? (D'Amore et al). 2003;42:S50 (Research Forum abst.)

Emergency department and inpatient use of antibiotics in meningitis (Bear et al). 2003;42:S100 (Research Forum abst.)

#### **Meperidine**

Does the distribution of written guidelines with accompanying educational information for appropriate use of meperidine change emergency department physicians' prescribing habits? (Felegi et al). 2003;42:S101 (Research Forum abst.)

Treating headache in the emergency department: avoiding the migraine-meperidine trap (Gupta and Gernsheimer); Reply (Vinson). 2003;42:161-2 (Correspondence)

#### **N-Methyl-3,4-methylenedioxymphetamine, adverse effects**

Methylene 3, 4 dioxymethamphetamine-induced acute myocardial infarction (Lai et al). 2003;42:759-62 (Case report)

#### **Metoclopramide**

Droperidol versus metoclopramide for the treatment of nausea (Thacker et al). 2003;42:S26 (Research Forum abst.)

#### **Midazolam**

Comparison of etomidate and midazolam for rapid-

sequence intubation in the air medical setting (Swanson et al). 2003;42:S66 (Research Forum abst.)

Etomidate and midazolam for procedural sedation: prospective trial (Hunt and Spencer). 2003;42:S40 (Research Forum abst.)

Etomidate versus midazolam for out-of-hospital intubation: a prospective randomized trial (Jacoby et al). 2003;42:S48 (Research Forum abst.)

Sedation for cardioversion in the emergency department: analysis of effectiveness in four protocols (Coll-Vinent et al). 2003;42:767-72 (Brief research report)

#### **Migraine**

Canadian Headache Society Criteria for the diagnosis of acute migraine headache in the emergency department: do our patients meet these criteria? (Fiesseler et al). 2003;42:S50 (Research Forum abst.)

Treating headache in the emergency department: avoiding the migraine-meperidine trap (Gupta and Gernsheimer); Reply (Vinson). 2003;42:161-2 (Correspondence)

#### **Military personnel**

Emergency physicians in the United States military: a primer (Lai and Lewin). 2003;42:100-9 (Residents' perspective)

#### **Models, anatomic**

Model for training ultrasonic recognition of a depressed skull fracture: blood versus clot versus conductive gel (Traylor et al). 2003;42:S16 (Research Forum abst.)

#### **Models, animal**

Larval *Manduca sexta* (aka, the tomato hornworm) as a new animal model to study fundamental mechanisms of pain (Lewin). 2003;42:S14-S15 (Research Forum abst.)

#### **Models, educational**

A novel approach to morbidity and mortality review: high fidelity simulation reenactment of life-threatening emergencies (Vozenilek et al). 2003;42:S55 (Research Forum abst.)

#### **Models, theoretical**

Mathematical modeling of the electroencephalogram (Schreck et al). 2003;42:S3 (Research Forum abst.)

Mathematical model of the hypoventilating patient: implications for the emergency department (Richards et al). 2003;42:S80 (Research Forum abst.)

#### **Monkeypox virus**

Update: multistate outbreak of monkeypox—Illinois, Indiana, Kansas, Missouri, Ohio, and Wisconsin, 2003 (Centers for Disease Control and Prevention); Commentary (Gross). 2003;42:660-4 (CDC update)

#### **Monocytes**

Early altered monocyte receptors may presage susceptibility of trauma patients to subsequent multiple organ dysfunction syndrome and sepsis (Broukhon et al). 2003;42:S15-S16 (Research Forum abst.)

#### **Morphine**

Safety of early analgesia in children with acute abdominal pain: a randomized, double-blind, placebo-controlled trial (Green et al). 2003;42:S87 (Research Forum abst.)

#### **Mortality. See also Heart arrest, mortality**

A three-year study of mortality in a university emergency department (Salazar et al). 2003;42:S82-S83 (Research Forum abst.)

#### **Motorcycles**

A comparison of bicycle, moped, and motorcycle crashes in a rural setting: a three-year review (Hirshberg). 2003;42:S95 (Research Forum abst.)  
"Phony" helmet use among motorcycle riders (Houry et al). 2003;42:S18 (Research Forum abst.)



# **Motor vehicles**

A comparison of bicycle, moped, and motorcycle crashes in a rural setting: a three-year review (Hirschberg). 2003;42:S95 (Research Forum abst.)  
Injury characteristics by type of vehicle and restraint: are light trucks safe? (Sorondo et al). 2003;42:S95 (Research Forum abst.)

# **Multiple organ failure**

Early altered monocyte receptors may presage susceptibility of trauma patients to subsequent multiple organ dysfunction syndrome and sepsis (Brouxhon et al). 2003;42:S15-S16 (Research Forum abst.)

# **Muscarinic antagonists, poisoning**

Complications of diagnostic physostigmine administration to emergency department patients (Schneir et al). 2003;42:14-19 (Brief research report)

# **Myocardial infarction. See also Myocardial ischemia**

The effect of weather, time, season, and air pollution on myocardial infarction incidence (Chan et al). 2003;42:S9 (Research Forum abst.)

Methylene 3, 4 dioxymethamphetamine-induced acute myocardial infarction (Lai et al). 2003;42:759-62 (Case report)

Patients with previous ischemic heart disease do not arrive faster to the hospital when they experience a myocardial infarction (Epelde et al). 2003;42:S62-S63 (Research Forum abst.)

# **Myocardial infarction, diagnosis**

Emergency department providers are more suspicious of acute coronary syndrome than of acute myocardial infarction (Nagurney et al). 2003;42:S62 (Research Forum abst.)

Is screening for myocardial infarction improved by the addition of the combination of creatine kinase and creatine kinase Index to the second generation troponin I? (Salen et al). 2003;42:S79 (Research Forum abst.)

The prognostic significance of serial myoglobin, troponin I, and creatine kinase-MB measurements in patients evaluated in the emergency department for acute coronary syndrome (McCord et al). 2003;42:343-50

A real-time cardiac marker for acute infarction: eigenvalues of the measured and derived ECG (Schreck et al). 2003;42:S30 (Research Forum abst.)

# **Myocardial infarction, non-ST-elevation. See Angina, unstable**

# **Myocardial infarction, therapy**

Lack of emergency physician adherence to published American College of Cardiology/American Heart Association guidelines for medical treatment of acute coronary syndromes (Schrock et al). 2003;42:S39 (Research Forum abst.)

Thrombolysis in the emergency department improves door-to-needle time and can be delivered safely and effectively (Corbin et al). 2003;42:S9 (Research Forum abst.)

# **Myocardial ischemia. See also Angina, unstable; Chest pain; Myocardial infarction**

Ethnic disparity in emergency medical services use in patients with acute coronary syndrome (Diercks et al). 2003;42:S92 (Research Forum abst.)

Patients with previous ischemic heart disease do not arrive faster to the hospital when they experience a myocardial infarction (Epelde et al). 2003;42:S62-S63 (Research Forum abst.)

Standards of quality on the management of the acute coronary syndrome: can a chest pain unit catch up with them? (Jimenez et al). 2003;42:S8 (Research Forum abst.)

# **Myocardial ischemia, diagnosis**

Applying cardiac markers using a six-hour strategy (Nagurney et al). 2003;42:S61-S62 (Research Forum abst.)

Does a chest pain unit identify high-risk patients in need of cardiac interventions? (Hess et al). 2003;42:S62 (Research Forum abst.)

Emergency department providers are more suspicious of acute coronary syndrome than of acute myocardial infarction (Nagurney et al). 2003;42:S62 (Research Forum abst.)

High-frequency ECG in the identification of acute coronary syndromes in emergency department patients with chest pain (Garvey et al). 2003;42:S5 (Research Forum abst.)

Inability of clinical scores to risk stratify emergency department chest pain patients with pre-existing ischemic heart disease for 30-day adverse outcome (Fesmire et al). 2003;42:S10 (Research Forum abst.)

Inflammatory cytokines provide limited early prognostic information in emergency department patients with suspected myocardial ischemia (Hillis et al). 2003;42:337-342 (Brief research report)

Is there a sixth sense for detecting patients with acute coronary syndrome before treating them? (Sanchez et al). 2003;42:S39-S40 (Research Forum abst.)

On-the-stretcher 12-lead ECG at emergency department triage for patients with acute coronary syndromes: a survey of emergency medical technicians' views and attitudes (Cooley et al). 2003;42:S73-S74 (Research Forum abst.)

The prognostic significance of serial myoglobin, troponin I, and creatine kinase-MB measurements in patients evaluated in the emergency department for acute coronary syndrome (McCord et al). 2003;42:343-50

Single set cardiac biomarker sampling and discharge from the emergency department: how prevalent a practice? (Lowenstein et al). 2003;42:S9 (Research Forum abst.)

T-wave alternans: testing the new technology in the emergency department (McNaughton et al). 2003;42:S29-S30 (Research Forum abst.)

Unscheduled returns to a chest pain unit: what did we do wrong? (Sanchez et al). 2003;42:S40 (Research Forum abst.)

Use of ischemia-modified albumin in emergency department risk stratification of chest pain is both clinically effective and cost-effective (Pollack et al). 2003;42:S37 (Research Forum abst.)

# **Myocardial ischemia, epidemiology**

National trends in emergency department visits for acute coronary syndromes and nontraumatic chest pain, 1992 to 2000 (Graham et al). 2003;42:S70 (Research Forum abst.)

# **Myoglobin, diagnostic use**

Applying cardiac markers using a six-hour strategy (Nagurney et al). 2003;42:S61-S62 (Research Forum abst.)

The prognostic significance of serial myoglobin, troponin I, and creatine kinase-MB measurements in patients evaluated in the emergency department for acute coronary syndrome (McCord et al). 2003;42:343-50

# **N**

# **Nails, ingrown, surgery**

Onychocryptosis: surgical treatment in the emergency department (Shouky and Bruno). 2003;42:S42-S43 (Research Forum abst.)

# **Naloxone**

Out-of-hospital indiscriminate use of naloxone: a continuing tale (Perez et al). 2003;42:S92-S93 (Research Forum abst.)

Public access naloxone: preliminary results of a public health initiative (Richards and Fuitly). 2003;42:S70-S71 (Research Forum abst.)

# **Narcotics, poisoning**

Emergency medical system response to suspected opiate overdoses in Rhode Island, 1997 to 2002 (Merchant et al). 2003;42:S48 (Research Forum abst.)

Out-of-hospital indiscriminate use of naloxone: a continuing tale (Perez et al). 2003;42:S92-S93 (Research Forum abst.)

Public access naloxone: preliminary results of a public health initiative (Richards and Fuitly). 2003;42:S70-S71 (Research Forum abst.)

# **Natriuretic peptide, brain**

Characteristics of chronic dialysis patients treated with nesiritide (B-type natriuretic peptide): data from the Acute Decompensated Heart Failure National Registry (Peacock et al). 2003;42:S100 (Research Forum abst.)

Elevated brain natriuretic peptide in septic patients without heart failure (Jones and Kline). 2003;42:714-15 (Correspondence)

Impact of B-type natriuretic peptide testing on medical decisionmaking for older patients with dyspnea (Kosowsky et al). 2003;42:S11 (Research Forum abst.)

# **Nausea, drug therapy**

Antiemetic therapy in US emergency departments: findings from the year 2000 National Hospital Ambulatory Medical Care Survey database (Moreno et al). 2003;42:S98-S99 (Research Forum abst.)

Droperidol versus metoclopramide for the treatment of nausea (Thacker et al). 2003;42:S26 (Research Forum abst.)

# **Needlestick injuries**

Needlestick injuries, management, and education: a role for emergency medicine? (Johnston et al). 2003;42:S85 (Research Forum abst.)

# **Needs assessment**

Needs assessment of the academic emergency medicine community (Stead et al). 2003;42:S77-S78 (Research Forum abst.)

# **Nerve block**

Femoral blockade for fractured neck of femur in the emergency department (Tan and Coleman); Reply (Fletcher and Hayes). 2003;42:596-7 (Correspondence)

# **Neurons**

High-dose insulin induces wortmannin-sensitive phosphorylation of Akt in vulnerable neurons after transient global brain ischemia (Sullivan et al). 2003;42:S16 (Research Forum abst.)

# **New York**

The effect of season, day of the week, temperature, air pollution, and the September 11th attacks on assault incidence in New York City hospitals (Chan et al). 2003;42:S91-S92 (Research Forum abst.)

The state of our state: New York managed care organization compliance with prudent layperson statutes (Maddow et al). 2003;42:S58 (Research Forum abst.)

# **Noise**

The effect of noise in the emergency department (Zun et al). 2003;42:S7-S8 (Research Forum abst.)

Noise pollution in the emergency department (Tijunelis). 2003;42:S59 (Research Forum abst.)

# **Nortriptyline, poisoning**

Reversal of severe tricyclic antidepressant-induced car-

diotoxicity with intravenous hypertonic saline solution (McKinney and Rasmussen). 2003;42:20-4 (Case report)

#### **Nurse practitioners**

Physician extenders and lower acuity tracks in the emergency department, 1995-2000: a longitudinal report (Phelps et al). 2003;42:S7 (Research Forum abst.)

#### **Nurses**

Are emergency medicine residency programs using a valuable resource to educate the residents in caring for sexual assault victims? (Williams et al). 2003;42:S77 (Research Forum abst.)

Emergency nurse training for ultrasonography-guided peripheral venous access using an inanimate arm model (Blavias et al). 2003;42:S88 (Research Forum abst.)

Emergency physician and nurse attitudes toward family presence during resuscitation (Veser et al). 2003;42:S34 (Research Forum abst.)

#### **Nursing homes**

Need for advanced directives in long-term care facilities: no survivors from four years of cardiac arrest (Milzman et al). 2003;42:S72-S73 (Research Forum abst.)

## **O**

#### **O-antigen**

Bacterial O-antigen promotes early bacteremia during gram-negative pneumonia in mice (Younger et al). 2003;42:S16-S17 (Research Forum abst.)

#### **Obesity**

Body mass index among adults presenting to the emergency department (Clark et al). 2003;42:S70 (Research Forum abst.)

#### **Observation**

Children with asthma admitted to an emergency department-managed pediatric observation unit (Miescier et al). 2003;42:S107 (Research Forum abst.)

Eight-hour emergency department observation for blunt abdominal trauma patients with initially negative diagnostic studies (Whitaker et al). 2003;42:S20 (Research Forum abst.)

Management of neonatal hyperbilirubinemia in a pediatric emergency department observation unit: a novel alternative to inpatient admission (Zembrack et al). 2003;42:S87 (Research Forum abst.)

Pediatric closed head injuries in an emergency department-controlled observation unit (Holsti et al). 2003;42:S85-S86 (Research Forum abst.)

Recidivism in an emergency department observation unit population (Ross et al). 2003;42:S34 (Research Forum abst.)

#### **Occupational accidents. See Accidents, occupational**

#### **Occupational exposure**

Chemical-biologic attack: will the providers put themselves at risk? (Chasm et al). 2003;42:S106 (Research Forum abst.)

Emergency physician compliance with annual purified protein derivative testing (Morris and Jerrard). 2003;42:S61 (Research Forum abst.)

Needlestick injuries, management, and education: a role for emergency medicine? (Johnston et al). 2003;42:S85 (Research Forum abst.)

The risks and benefits of pre-event smallpox vaccination: where you stand depends on where you sit (Aragón and Fernyak). 2003;42:681-4 (Editorial)

#### **Operations research**

Research methods: beyond the clinical trial (Goodacre). 2003;42:S6-S5 (Concepts)

#### **Optic nerve**

Optic sheath nerve diameter in normal human patients in the supine, Trendelenburg, and reverse Trendelenburg positions (Romagnuolo et al). 2003;42:S89 (Research Forum abst.)

#### **Oral surgery. See Surgery, oral**

#### **Organ procurement**

Barriers to donation after cardiac death: a national focus group study of health care professionals (Schears et al). 2003;42:S83 (Research Forum abst.)

#### **Organ transplantation**

Infections and severe sepsis in organ transplant patients admitted from a university-based emergency department (Trzeciak et al). 2003;42:S31 (Research Forum abst.)

Lower gastrointestinal hemorrhage from an arterioenteric fistula in a pancreatorenal transplant patient (McBeth and Stern). 2003;42:S87-91 (Case report)

#### **Osteopathic medicine**

Osteopathic physicians in emergency medicine (Pollack et al). 2003;42:261-5 (Residents' perspective)

#### **Overdose. See also Acetaminophen, poisoning;**

#### **Narcotics, poisoning**

Complications of diagnostic physostigmine administration to emergency department patients (Schneir et al). 2003;42:14-19 (Brief research report)

Electrocardiographic changes and  $\beta$ -blocker toxicity (Long et al); Reply (Love). 2003;42:156-7 (Correspondence)

$\gamma$ -Hydroxybutyrate serum levels and clinical syndrome after severe overdose (Sporer et al). 2003;42:3-8

Quetiapine poisoning: a case series (Balit et al). 2003;42:751-8

Reversal of severe tricyclic antidepressant-induced cardiotoxicity with intravenous hypertonic saline solution (McKinney and Rasmussen). 2003;42:20-4 (Case report)

#### **Oximetry**

Cerebral oximetry: efficacy in predicting adequacy of resuscitation and neurologic outcome in the critically ill (Khan et al). 2003;42:S55-S56 (Research Forum abst.)

Pulse oximetry levels cannot predict emergency department disposition in acute vaso-occlusive sickle cell crisis (Lopez and Cogen). 2003;42:S81 (Research Forum abst.)

The utility of cerebral oximetry as a predictor of neurologic outcome in out-of-hospital cardiac arrest (Bastani et al). 2003;42:S72 (Research Forum abst.)

#### **Oxycodone**

Comparison of rofecoxib with multidose oxycodone/acetaminophen in patients with acute pain (Chang et al). 2003;42:S68 (Research Forum abst.)

#### **Oxygen deficiency, brain. See Hypoxia, brain**

#### **Oxygen inhalation therapy**

Mathematical model of the hypoventilating patient: implications for the emergency department (Richards et al). 2003;42:S80 (Research Forum abst.)

#### **Ozone**

Analysis of influence of regional levels of ozone and atmospheric particulate matter in emergency department visits (Leikin et al). 2003;42:S44 (Research Forum abst.)

## **P**

#### **Pain, physiopathology**

Larval *Manduca sexta* (aka, the tomato hornworm) as a new animal model to study fundamental mechanisms

of pain (Lewin). 2003;42:S14-S15 (Research Forum abst.)

#### **Pain measurement**

Correlation of change in visual analog scale with pain relief in the emergency department (Fosnocht et al). 2003;42:S41-S42 (Research Forum abst.)

Correlation of heart rate and systolic blood pressure with reported pain (Lindgren et al). 2003;42:S41 (Research Forum abst.)

The treatment of pain in acute extremity injury: are we treating the radiograph or the patient? (Pines et al). 2003;42:S40-S41 (Research Forum abst.)

Validation of a verbal descriptive scale for measurement of pain intensity in the emergency department (Fosnocht et al). 2003;42:S41 (Research Forum abst.)

What is the minimal clinically significant change in the visual analog scale in acute vasoocclusive sickle cell crisis? (Lopez et al). 2003;42:S42 (Research Forum abst.)

#### **Pancreas transplantation**

Lower gastrointestinal hemorrhage from an arterioenteric fistula in a pancreatorenal transplant patient (McBeth and Stern). 2003;42:S87-91 (Case report)

#### **Pancreatitis, diagnosis**

Urine trypsinogen: a quick and useful test for pancreatitis in the emergency department (Jang et al). 2003;42:S13 (Research Forum abst.)

#### **Paracetamol**

Ultrasonography performed by the emergency physician in emergency paracetamol (Nazeer et al). 2003;42:S46 (Research Forum abst.)

#### **Paraffin, poisoning**

High risk of paraffin lamp oil exposure in Orthodox Jewish children (Hoffman et al). 2003;42:S45 (Research Forum abst.)

#### **Parents. See also Family**

First aid knowledge among parents (Singer et al). 2003;42:S52 (Research Forum abst.)

Informed consent process in an inner-city community hospital (Usen et al). 2003;42:S54 (Research Forum abst.)

Pediatric passenger restraints: what do parents say? (Arpilleda et al). 2003;42:S94-S95 (Research Forum abst.)

#### **Patient admission. See also Hospitalization**

The effect of bedside registration on patient care time intervals and patient satisfaction (Baumann et al). 2003;42:S7 (Research Forum abst.)

#### **Patient compliance**

Compliance with asthma care guidelines in wheezing pediatric emergency department patients (Boyчук et al). 2003;42:S2 (Research Forum abst.)

Pediatric outpatient medication prescription pick-up rates after emergency department visits (Kajoka et al). 2003;42:S2 (Research Forum abst.)

#### **Patient discharge**

No coronary patients attending chest pain units: should we do other than just discharge them? (Sanchez et al). 2003;42:S39 (Research Forum abst.)

When is a patient safe for discharge after procedural sedation? The timing of adverse effect events in 1,367 pediatric procedural sedations (Newman et al). 2003;42:627-35

#### **Patient dropouts**

The left-without-being-seen patients: what would keep them from leaving? (Arendt et al). 2003;42:317-23

Patients who leave the pediatric emergency department without being seen: why don't they stay and where do they go? (Goldman et al). 2003;42:S86 (Research Forum abst.)

Who leaves emergency departments before physician evaluation: uninsured or insured? (Irvin et al). 2003;42:S84 (Research Forum abst.)

#### **Patient education**

The effectiveness of an educational videotape on emergency department patients' stroke knowledge (Chan et al). 2003;42:S51 (Research Forum abst.)  
Knowledge of discharge diagnosis and instructions in an urban emergency department with a large non-English-speaking population (Constantinos et al). 2003;42:S35 (Research Forum abst.)

Peer educator intervention at the medical visit achieves reduction in cocaine and heroin use (Bernstein et al). 2003;42:S45 (Research Forum abst.)

#### **Patient readmission**

Patterns of relapse and recidivism in frequent users of the pediatric emergency department for asthma (Tarsi et al). 2003;42:S107-S108 (Research Forum abst.)

Recidivism in an emergency department observation unit population (Ross et al). 2003;42:S34 (Research Forum abst.)

Return visits to the pediatric emergency department: a two-year experience (Goldman and Ong). 2003;42:S87-S88 (Research Forum abst.)

Risk factors for asthma relapse in a high-risk inner-city adult population (Tarsi et al). 2003;42:S108-S109 (Research Forum abst.)

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#### **Patient refusal of treatment. See Treatment refusal**

#### **Patients**

Awareness of coronary artery disease risk factors and homocysteine treatment in high-risk patients (Salo et al). 2003;42:S37-S38 (Research Forum abst.)

In the setting of nontraumatic illness, do patients contact their primary care physician before arrival in the emergency department? (Anannab et al). 2003;42:S84-S85 (Research Forum abst.)

Knowledge of discharge diagnosis and instructions in an urban emergency department with a large non-English-speaking population (Constantinos et al). 2003;42:S35 (Research Forum abst.)

Knowledge of herbs: indications and side effects (Gulla et al). 2003;42:S25 (Research Forum abst.)

Role of air bags in preventing motor vehicle crash-related serious injuries: perceptions among emergency department patients (Shukla). 2003;42:S95-S96 (Research Forum abst.)

#### **Patient satisfaction**

Antibiotic use for emergency department patients with acute diarrhea: prescribing practices, patient expectations, and patient satisfaction (Karras et al). 2003;42:835-42

The effect of bedside registration on patient care time intervals and patient satisfaction (Baumann et al). 2003;42:S7 (Research Forum abst.)

Emergency department patient satisfaction: examining the role of acuity and throughput times (Boudreaux et al). 2003;42:S59 (Research Forum abst.)

#### **Patient selection**

Alternative for automated communication in research (Murphy et al); Reply (Weiner et al). 2003;42:712-13 (Correspondence)

Data collection in the emergency department: shared versus split responsibility for patient enrollment (Sparano et al). 2003;42:S76 (Research Forum abst.)

#### **Patient simulation**

A novel approach to morbidity and mortality review: high fidelity simulation reenactment of life-threatening emergencies (Vozenilek et al). 2003;42:S55 (Research Forum abst.)

#### **Patient transfer**

The effect of decreasing ambulance diversion hours on emergency department interfacility transfers (Vilke et al). 2003;42:S6-S7 (Research Forum abst.)

Impact of a state malpractice crisis on transfers to a university-based teaching hospital (Cox and Galli). 2003;42:S60 (Research Forum abst.)

The relation of patient transfers to insurance status (Niegelberg et al). 2003;42:S33 (Research Forum abst.)

#### **Peer group**

Peer educator intervention at the medical visit achieves reduction in cocaine and heroin use (Bernstein et al). 2003;42:S45 (Research Forum abst.)

#### **Pelvis, injuries**

Effect of ethanol and Glasgow Coma Scale score on the sensitivity of the history and physical examination in detecting acute pelvic trauma (Williams et al). 2003;42:S98 (Research Forum abst.)

Uterine prolapse and cystocele after an automobile accident (Lohiya). 2003;42:850-851 (Correspondence)  
Validation of decision instrument to limit pelvic radiography in blunt trauma (Gross and Beidens). 2003;42:S5 (Research Forum abst.)

#### **Penis, injuries**

Penile trauma (Manfredini et al). 2003;42:429-30 (Correspondence)

#### **Personnel selection**

Dissemination of unfavorable information about other emergency medicine residencies and asking discriminatory questions during the emergency medicine interview (Weinstein et al). 2003;42:S77 (Research Forum abst.)

The emergency medicine workforce (Wendell); Reply (Moorhead and Gallery); Reply (Augustine and Kellermann). 2003;42:307-9 (Correspondence)

#### **Pharmaceutical preparations**

Impact on health care resources of congestive heart failure patients who run out of their medications (Jimenez et al). 2003;42:S69 (Research Forum abst.)

Pharmaceutical advertising in emergency departments (Marco). 2003;42:S84 (Research Forum abst.)

Use of expired antidotes (Ruck and Marcus); Reply (Tyler et al). 2003;42:157-9 (Correspondence)

#### **Phenytoin**

The treatment of adult emergency department seizure patients (Edwards and Sloan). 2003;42:S74 (Research Forum abst.)

#### **Phenytoin, analogs & derivatives**

Overuse of fosphenytoin in the emergency department (Mills et al). 2003;42:S51 (Research Forum abst.)

#### **Phlebography**

Clinical characteristics of emergency department patients who rule in versus rule out for pulmonary embolism by computed tomography chest angiography and indirect lower extremity computed tomography venography (Richman et al). 2003;42:S36-S37 (Research Forum abst.)

#### **Photography**

Finding quality medical images on the Web: a comparative analysis of popular search engines (McNinch et al). 2003;42:S102 (Research Forum abst.)

#### **Physical endurance**

Postextreme endurance syndrome in 2,113 triathletes:

description of a new clinical syndrome (Collinsworth et al). 2003;42:S17-S18 (Research Forum abst.)

#### **Physical examination**

Are emergency medicine residency programs using a valuable resource to educate the residents in caring for sexual assault victims? (Williams et al). 2003;42:S77 (Research Forum abst.)

Does structured educational intervention increase emergency medicine residents' ability to care for sexual assault victims? (Faber et al). 2003;42:S102-S103 (Research Forum abst.)

Effect of ethanol and Glasgow Coma Scale score on the sensitivity of the history and physical examination in detecting acute pelvic trauma (Williams et al). 2003;42:S98 (Research Forum abst.)

Patterns of anogenital injury in female sexual assault victims after delayed forensic examination (Bush et al). 2003;42:S90 (Research Forum abst.)

Short-term follow-up of adults presenting to the emergency department with undifferentiated abdominal pain: predictive value of history and physical examination (Radeos et al). 2003;42:S29 (Research Forum abst.)

#### **Physician assistants**

Physician extenders and lower acuity tracks in the emergency department, 1995-2000: a longitudinal report (PHELPS et al). 2003;42:S7 (Research Forum abst.)

#### **Physicians**

Analgesia and addiction in emergency department patients with acute exacerbations of chronic pain (Kelly et al). 2003;42:S67 (Research Forum abst.)

Antibiotic use for emergency department patients with acute diarrhea: prescribing practices, patient expectations, and patient satisfaction (Karras et al). 2003;42:835-42

Current knowledge among Washington, DC, emergency physicians about the initial presentation of smallpox (Freud et al). 2003;42:S43 (Research Forum abst.)

Discrepancies between survey responses and chart review data: do we practice what we preach? (Tarsi et al). 2003;42:S33-S34 (Research Forum abst.)

Does the distribution of written guidelines with accompanying educational information for appropriate use of meperidine change emergency department physicians' prescribing habits? (Felegi et al). 2003;42:S101 (Research Forum abst.)

Does the membership of the American College of Emergency Physicians know who their leaders are? (Brozen). 2003;42:S32 (Research Forum abst.)

The effect of perceived malpractice risk on diagnostic test ordering in academic emergency medicine practice (Plautz et al). 2003;42:S103 (Research Forum abst.)

Emergency physician and nurse attitudes toward family presence during resuscitation (Veser et al). 2003;42:S34 (Research Forum abst.)

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Emergency physicians in the United States military: a primer (Lai and Lewin). 2003;42:100-9 (Residents' perspective)

HIV postexposure prophylaxis in the emergency department: the morning after is today (Bamberger). 2003;42:657-9 (Editorial)

Hospital disaster privileging (American College of Emergency Physicians). 2003;42:607-8 (Policy statement)

**Keynote address, white coat ceremony: SUNY**

Downstate Medical Center, August 21, 2002 (Falk). 2003;42:153-5 (Change of shift)

**Lack of emergency physician adherence to published American College of Cardiology/American Heart Association guidelines for medical treatment of acute coronary syndromes** (Schrock et al). 2003;42:S39 (Research Forum abst.)

**Need and feasibility of offering nonoccupational HIV postexposure prevention in the emergency department for the city of New Haven** (D'Onofrio et al). 2003;42:S85 (Research Forum abst.)

**Nonoccupational postexposure HIV prevention: emergency physicians' current practices, attitudes, and beliefs** (McCausland et al). 2003;42:651-6 (Brief research report)

**Osteopathic physicians in emergency medicine** (Pollack et al). 2003;42:261-5 (Residents' perspective)

**Outpatient antibiotic therapy: are emergency physicians aware of the cost of commonly used antibiotics?** (Snyder and Arvanitis). 2003;42:S32 (Research Forum abst.)

**Physician perception of drug-seeking behavior and ethnicity** (Miner et al). 2003;42:S67 (Research Forum abst.)

**Physicians' conformity with the advanced cardiac life support protocols** (Rehmani). 2003;42:S61 (Research Forum abst.)

**A population-based study of emergency physician comfort in caring for injured children** (Junkins et al). 2003;42:S52 (Research Forum abst.)

**The role of the emergency physician in emergency medical services for children** (Gausche-Hill et al). 2003;42:206-15

**State requirements for physicians functioning as field emergency medical services providers** (Fullagar et al). 2003;42:S49 (Research Forum abst.)

**Suspected use of excessive physical force by law enforcement officers: a survey of academic emergency physicians** (Hutson et al). 2003;42:S97-S98 (Research Forum abst.)

**Workplace violence: a survey of Michigan College of Emergency Physicians** (Kowalenko et al). 2003;42:S6 (Research Forum abst.)

**Physicians, family**

**In the setting of nontraumatic illness, do patients contact their primary care physician before arrival in the emergency department?** (Anannab et al). 2003;42:S84-S85 (Research Forum abst.)

**Why patients with primary care physicians seek emergency department care** (Liu and Thomas). 2003;42:S82 (Research Forum abst.)

**Physicians, psychology**

**And God created the heavens and the earth** (Kuhn). 2003;42:304-5 (Change of shift)

**Emergency physician personality style and career satisfaction: is there a correlation?** (McEwen). 2003;42:S84 (Research Forum abst.)

**Physicians, standards**

**The emergency medicine workforce** (Wendel); Reply (Moorhead and Gallery); Reply (Augustine and Kellermann). 2003;42:307-9 (Correspondence)

**Physostigmine, diagnostic use**

**Complications of diagnostic physostigmine administration to emergency department patients** (Schneir et al). 2003;42:14-19 (Brief research report)

**Plant preparations**

**Knowledge of herbs: indications and side effects** (Gulla et al). 2003;42:S25 (Research Forum abst.)

**Potential adverse interactions between prescription and complementary or alternative medications among emergency department patients** (Kim et al). 2003;42:S101 (Research Forum abst.)

**Platelet aggregation inhibitors**

**Antiplatelet agents for acute ischemic stroke** (Stead). 2003;42:423-5 (Systematic review abstract). Correction 2003;42:719

**Does anticoagulation increase risk of intracranial hemorrhage from blunt trauma?** (Jackson et al). 2003;42:S97 (Research Forum abst.)

**Plethysmography**

**Computerized strain gauge plethysmography, D-dimer, and clinical risk stratification as screening tools for deep venous thrombosis in the emergency department** (DeFlich et al). 2003;42:S31-S32 (Research Forum abst.)

**Pneumococcal infections, prevention & control**

**Cost-effectiveness of an emergency department-based vaccine program** (Cutro et al). 2003;42:S36 (Research Forum abst.)

**Immunization against *Streptococcus pneumoniae* in the emergency department: is there a need?** (Stone et al). 2003;42:S43-S44 (Research Forum abst.)

**National study of pneumococcal and influenza vaccinations among adult emergency department patients, 1992 to 2000** (Pallin et al). 2003;42:S70 (Research Forum abst.)

**Pneumonia**

**Bacterial O-antigen promotes early bacteremia during gram-negative pneumonia in mice** (Younger et al). 2003;42:S16-S17 (Research Forum abst.)

**The value of blood cultures in community acquired pneumonia in patients without defined risk factors** (Chumsri et al). 2003;42:S36 (Research Forum abst.)

**Pneumonia, prevention & control**

**Cost-effectiveness of an emergency department-based vaccine program** (Cutro et al). 2003;42:S36 (Research Forum abst.)

**Immunization against *Streptococcus pneumoniae* in the emergency department: is there a need?** (Stone et al). 2003;42:S43-S44 (Research Forum abst.)

**Pneumonia, therapy**

**Compliance with Joint Commission core measures for community acquired pneumonia treatment in an academic emergency department** (Kelly and Sorondo). 2003;42:S35-S36 (Research Forum abst.)

**Continuity of antibiotic therapy in patients admitted from the emergency department** (Shah et al). 2003;42:117-23

**Current susceptibilities of bacteria isolated from lower respiratory tract and central nervous system infections** (Volturo et al). 2003;42:S99 (Research Forum abst.)

**Pneumothorax**

**Spontaneous pneumothorax outcome study (SPOT phase I): a two-year review** (Ong and Chan). 2003;42:S35 (Research Forum abst.)

**Poisoning. See also Overdose; specific substances**

**Childhood poisoning: is there a greater role for emergency medicine?** (Johnston et al). 2003;42:S21 (Research Forum abst.)

**Does gastric lavage really push poisons beyond the pylorus? A systematic review of the evidence** (Eddleston et al). 2003;42:359-64 (Review article)

**Importance of intoxication among patients with intracranial pathology** (Bracken et al). 2003;42:S74 (Research Forum abst.)

**Poison ivy dermatitis. See Dermatitis, Toxicodendron**

**Police**

**Suspected use of excessive physical force by law enforcement officers: a survey of academic emergency physicians** (Hutson et al). 2003;42:S97-S98 (Research Forum abst.)

**Policy statements**

**Alcohol abuse and motor vehicle safety** (American College of Emergency Physicians). 2003;42:718

**Alcohol taxation** (American College of Emergency Physicians). 2003;42:719

**College board member and officer expert testimony** (American College of Emergency Physicians). 2003;42:440-1

**Hospital disaster privileging** (American College of Emergency Physicians). 2003;42:607-8

**Internet access** (American College of Emergency Physicians). 2003;42:606-7

**Legal sanctions for drunk driving** (American College of Emergency Physicians). 2003;42:719

**Prior authorization** (American College of Emergency Physicians). 2003;42:606

**Smoking—public policy measures** (American College of Emergency Physicians). 2003;42:441

**Support for victims of family violence** (American College of Emergency Physicians). 2003;42:441

**Polypharmacy**

**The incidence of potential drug-drug interactions based on degree of polypharmacy** (Hirsh et al). 2003;42:S25-S26 (Research Forum abst.)

**Population surveillance**

**Correlation of West Nile virus infection with emergency department chief complaints using a passive syndromic surveillance model** (Flaherty and Gillam). 2003;42:S69-S70 (Research Forum abst.)

**Improving agreement between two methods for bio-surveillance of respiratory disease in the emergency department: chief complaint and *International Classification of Diseases, Ninth Revision* diagnosis code** (Mocny et al). 2003;42:S71 (Research Forum abst.)

**A practical model for setup of computer-based syndromic surveillance** (Flaherty et al). 2003;42:S44 (Research Forum abst.)

**Positive-pressure respiration**

**Noninvasive ventilation as a first-line treatment for hypercapnic acute respiratory failure: experience in an emergency department** (Antro et al). 2003;42:S65 (Research Forum abst.)

**Postpartum period. See Puerperium**

**Posture**

**Optic sheath nerve diameter in normal human patients in the supine, Trendelenburg, and reverse Trendelenburg positions** (Romagnuolo et al). 2003;42:S89 (Research Forum abst.)

**Potassium, blood**

**Root cause analysis of delays for laboratory tests on emergency department patients** (Fernandes et al). 2003;42:S22-S23 (Research Forum abst.)

**Poxviridae infections. See also Smallpox**

**Update: multistate outbreak of monkeypox—Illinois, Indiana, Kansas, Missouri, Ohio, and Wisconsin, 2003** (Centers for Disease Control and Prevention); Commentary (Gross). 2003;42:660-4 (CDC update)

**Practice guidelines. See also Guideline adherence**

**Are syndrome guidelines useful to determine the need for admission in geriatric patients presenting to the emergency department with syncope?** (Grossman et al). 2003;42:S28 (Research Forum abst.)



Canadian Headache Society Criteria for the diagnosis of acute migraine headache in the emergency department: do our patients meet these criteria? (Fieseler et al). 2003;42:S50 (Research Forum abst.)

Does the distribution of written guidelines with accompanying educational information for appropriate use of meperidine change emergency department physicians' prescribing habits? (Felegi et al). 2003;42:S101 (Research Forum abst.)

Emergency department sickle cell treatment guidelines (Probst et al). 2003;42:S68 (Research Forum abst.)

Emergency medicine tools to manage smallpox (vaccinia) vaccination complications: clinical practice guidelines and policies and procedures (Thorne et al). 2003;42:66S-80 (Concepts)

The guideline for abdominal pain in the emergency department setting phase I: assessment of clinical criteria, plain abdominal radiography, and unenhanced helical computed tomography for the exclusion of patients requiring urgent abdominopelvic intervention (Gerhardt et al). 2003;42:S56-S57 (Research Forum abst.)

Is intravenous amiodarone safe in patients with atrial fibrillation and Wolff-Parkinson-White syndrome? (Tijunelis and Herbert). 2003;42:S38 (Research Forum abst.)

Operational roles and use of triage and clinical protocols by disaster medical assistance teams (Hansen and Char). 2003;42:S104 (Research Forum abst.)

The value of blood cultures in community acquired pneumonia in patients without defined risk factors (Chumsri et al). 2003;42:S36 (Research Forum abst.)

**Prednisolone**  
Incidence of emesis in pediatric patients receiving oral prednisolone: can we predict those at risk for emesis? (Silverman et al). 2003;42:S25 (Research Forum abst.)

**Pregnancy**  
Resident ultrasonography in symptomatic first-trimester pregnancy and department length of stay (Jang and Aubin). 2003;42:S88-S89 (Research Forum abst.)

**Pregnancy, ectopic**  
Emergency contraception and risk of ectopic pregnancy: is there need for extra vigilance? (Vinson). 2003;42:306-7 (Correspondence)

Emergency department visits for ectopic pregnancy, 1992-2000 (Bhatia et al). 2003;42:S32-S33 (Research Forum abst.)

Failure of progesterone as a predictor of ectopic pregnancy in patients with quantitative  $\beta$ -human chorionic gonadotropin values below the ultrasonographic discriminatory threshold of 2,000 mIU/mL (Park et al). 2003;42:S24 (Research Forum abst.)

**Prescription fees**  
Outpatient antibiotic therapy: are emergency physicians aware of the cost of commonly used antibiotics? (Snyder and Arvanitis). 2003;42:S32 (Research Forum abst.)

**Prescriptions, drug**  
Pediatric outpatient medication prescription pick-up rates after emergency department visits (Kajio et al). 2003;42:S2 (Research Forum abst.)

Potential adverse interactions between prescription and complementary or alternative medications among emergency department patients (Kim et al). 2003;42:S101 (Research Forum abst.)

**Primary health care**  
Examination of emergency department patients' choice of health care venue: responses to standardized pre-

senting complaints (Hong et al). 2003;42:S83-S84 (Research Forum abst.)

Health care access choices of the chronically ill: a prospective study of emergency department patients (Miller et al). 2003;42:S71-S72 (Research Forum abst.)

Impact on hospital resources of patients with severe congestive heart failure who use the emergency department for primary care (Jimenez et al). 2003;42:S64 (Research Forum abst.)

In the setting of nontraumatic illness, do patients contact their primary care physician before arrival in the emergency department? (Anannab et al). 2003;42:S84-S85 (Research Forum abst.)

Is the nonurgent emergency department patient really "inappropriate"? (Bailey et al). 2003;42:S34-S35 (Research Forum abst.)

The pediatric emergency department: a substitute for primary care? (Haltiwanger et al). 2003;42:S53 (Research Forum abst.)

Why patients with primary care physicians seek emergency department care (Liu and Thomas). 2003;42:S82 (Research Forum abst.)

**Progesterone, diagnostic use**  
Failure of progesterone as a predictor of ectopic pregnancy in patients with quantitative  $\beta$ -human chorionic gonadotropin values below the ultrasonographic discriminatory threshold of 2,000 mIU/mL (Park et al). 2003;42:S24 (Research Forum abst.)

**Propofol**  
Assessment of the amnestic effects of propofol during procedural sedation (Miner et al). 2003;42:S42 (Research Forum abst.)

Propofol for deep procedural sedation in the emergency department: is there a learning curve? (Charles et al). 2003;42:S66-S67 (Research Forum abst.)

Propofol for procedural sedation in children in the emergency department (Bassett et al). 2003;42:773-82

Propofol in emergency medicine: pushing the sedation frontier (Green and Krauss). 2003;42:792-7 (Editorial)

Propofol sedation by emergency physicians for elective pediatric outpatient procedures (Guenther et al). 2003;42:783-91

Sedation for cardioversion in the emergency department: analysis of effectiveness in four protocols (Coll-Vinent et al). 2003;42:767-72 (Brief research report)

**Protective devices. See also Air bags; Head protective devices; Seat belts**  
Pediatric passenger restraints: what do parents say? (Arpilleda et al). 2003;42:S94-S95 (Research Forum abst.)

Protective equipment for health care facility decontamination personnel: regulations, risks, and recommendations (Hick et al). 2003;42:370-80 (Concepts)

Strip and shower: the duck and cover for the 21st century (Koenig). 2003;42:391-4 (Editorial)

What is the impact of child-specific motor vehicle restraints on pediatric morbidity and mortality from motor vehicle crashes in Pennsylvania from 1992 to 2001? (Salem et al). 2003;42:S94 (Research Forum abst.)

**Protein-serine-threonine kinases**  
High-dose insulin induces wortmannin-sensitive phosphorylation of Akt in vulnerable neurons after transient global brain ischemia (Sullivan et al). 2003;42:S16 (Research Forum abst.)

**Proteomics**  
Acute plasma protein expression patterns after ischemic stroke (Jauch et al). 2003;42:S23 (Research Forum abst.)

**Psychomotor agitation**  
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**Public health practice. See also Health surveys; Immunization programs; Population surveillance**  
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**Puerperium**  
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**Pulmonary disease, chronic obstructive**  
Are corticosteroids effective in acute exacerbations of chronic obstructive pulmonary disease? (Edmonds). 2003;42:426-8 (Systematic review abstract)

**Pulmonary embolism, diagnosis**  
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Clinical characteristics of emergency department patients who rule in versus rule out for pulmonary embolism by computed tomography chest angiography and indirect lower extremity computed tomography venography (Richman et al). 2003;42:S36-S37 (Research Forum abst.)

Emergency department presentation of pulmonary embolism: an enigma (Costa et al). 2003;42:S81-S82 (Research Forum abst.)

The introduction of a rapid enzyme-linked immunosorbent assay D-dimer increases emergency department testing with no effect on the diagnosis of pulmonary embolism (Kabrheil and Thomas). 2003;42:S36 (Research Forum abst.)

Methodology for a rapid protocol to rule out pulmonary embolism in the emergency department (Kline and Wells). 2003;42:266-75 (Concepts)

A retrospective study to evaluate the utility of D-dimer testing in patients with suspected pulmonary embolism (Dula et al). 2003;42:S23 (Research Forum abst.)

Turbidimetric D-dimer in the diagnosis of pulmonary embolism: a meta-analysis (Brown et al). 2003;42:S12-S13 (Research Forum abst.)

**Pulmonary embolism, prevention & control**  
Safety and efficacy of a retrievable inferior vena cava filter for the prevention of pulmonary embolism in high-risk trauma patients (Allen et al). 2003;42:S98 (Research Forum abst.)

**Pulse**  
Correlation of heart rate and systolic blood pressure with reported pain (Lindgren et al). 2003;42:S41 (Research Forum abst.)

Incidence of transient hypoxia and pulse rate reactivity during paramedic rapid sequence intubation (Dunford et al). 2003;42: 721-8

Initial vital signs in trauma patients can serve as a guide for ordering a blood bank type and screen (Aswegan et al). 2003;42:S19 (Research Forum abst.)

**Pyrimidines, poisoning**  
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## Q

**Qualitative research**  
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**Quality control**  
Continuity of antibiotic therapy in patients admitted from the emergency department (Shah et al). 2003;42:117-23

Data-driven total quality management in the emergency department at a level I trauma and tertiary care hospital (Welch and Allen). 2003;42:S58-S59 (Research Forum abst.)

Does resident-selected patient follow-up lead to improvements in patient care? (Sadosty et al). 2003;42:S5-S6 (Research Forum abst.)

A framework for classifying factors that contribute to error in the emergency department (Cosby). 2003;42:815-23 (Concepts)

Standards of quality on the management of the acute coronary syndrome: can a chest pain unit catch up with them? (Jimenez et al). 2003;42:S8 (Research Forum abst.)

Use of expired antidotes (Ruck and Marcus); Reply (Tyler et al). 2003;42:157-9 (Correspondence)

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## R

### Radial artery

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### Radiography

Appropriation of simple radiography interpretation by an emergency medicine resident (Sim et al). 2003;42:S76 (Research Forum abst.)

### Radiography, abdominal

Contrast enhanced abdominal computed tomography scans in patients with suspected acute appendicitis significantly improve the negative operative rate in men but not women (Daniel et al). 2003;42:S57 (Research Forum abst.)

The guideline for abdominal pain in the emergency department setting phase I: assessment of clinical criteria, plain abdominal radiography, and unenhanced helical computed tomography for the exclusion of patients requiring urgent abdominopelvic intervention (Gerhardt et al). 2003;42:S56-S57 (Research Forum abst.)

### Radiography, thoracic

Clinical characteristics of emergency department patients who rule in versus rule out for pulmonary embolism by computed tomography chest angiography and indirect lower extremity computed tomography venography (Richman et al). 2003;42:S36-S37 (Research Forum abst.)

### Radiology

Emergency ultrasonography utility in a rural emergency department with limited radiology services (Blaivas et al). 2003;42:S88 (Research Forum abst.)

### Rape

Are emergency medicine residency programs using a valuable resource to educate the residents in caring for sexual assault victims? (Williams et al). 2003;42:S77 (Research Forum abst.)

Comparison of sexual assaults by gang versus individual assailants in a community-based population (Jones et al). 2003;42:S90 (Research Forum abst.)

Does structured educational intervention increase emergency medicine residents' ability to care for sexual assault victims? (Faber et al). 2003;42:S102-S103 (Research Forum abst.)

Patterns of anogenital injury in female sexual assault victims after delayed forensic examination (Bush et al). 2003;42:S90 (Research Forum abst.)

Sexual assault in postmenopausal women: epidemiology

and severity of anogenital injury (Rossman et al). 2003;42:S90 (Research Forum abst.)

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### Recreation. See also Athletic injuries; Bicycling

A comparison of bicycle, moped, and motorcycle crashes in a rural setting: a three-year review (Hirschberg). 2003;42:S95 (Research Forum abst.)

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### Residents' perspective

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### Respiratory insufficiency, therapy

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$\gamma$ -Hydroxybutyrate serum levels and clinical syndrome after severe overdose (Sporer et al). 2003;42:3-8

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**Staphylococcal skin infections**

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**Tomography, spiral computed**

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